

AMVAC[®]

AGRICULTURAL BULLETIN

BLOCKER[™] 4F FLOWABLE SOIL FUNGICIDE

FOR CONTROL OF WHITE MOLD (*Sclerotinia
Sclerotiorum*) ON POTATOES

SUPPLEMENTAL LABELING FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF IDAHO

BLOCKER[™] 4F
EPA REG. NO. 5481-472
EPA SLN NO. ID-000008

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in possession of the user at the time of pesticide application. **All applicable directions, restrictions and precautions on the EPA registered label are to be followed.** This product may be applied through irrigation systems. Do not apply this product through any type of irrigation system other than described on this label.

USE RATES AND METHOD OF APPLICATION

Use 3 to 10 pints of BLOCKER 4F per acre at the first sign of disease or no later than just prior to or at row closure of the potato vines. If disease persists, subsequent applications may be applied at 7 to 10 day intervals. Thorough coverage of the foliage is essential.

APPLICATION TO SPRINKLER IRRIGATED POTATOES

CROP	DISEASE	BLOCKER 4F APPLICATION RATE PER ACRE	DIRECTIONS
Potatoes	White Mold (<i>Sclerotinia sclerotiorum</i>)	3 to 10 pints per acre (1 pint Blocker 4F = 0.5 lbs. PCNB)	<p>IRRIGATION METHOD – Apply Blocker 4F at the first sign of disease just prior to or after the beginning of row closure through sprinkler irrigation equipment in 0.2 to 0.3 inches of water. Do not apply this product through any type of irrigation system other than described on this label.</p> <p>AIR METHOD – Apply Blocker 4F in a minimum of 10 gallons of water by air. Incorporate immediately with a minimum of 0.1 inches of water applied by sprinkler irrigation.</p> <p>GROUND METHOD – Apply Blocker 4F using drop nozzles to cover the plant row and furrow. Use a minimum of 30 gallons of water and incorporate immediately with a minimum of 0.1 inches of water applied by sprinkler irrigation.</p>

APPLICATION TO FURROW (RILL) IRRIGATED POTATOES

CROP	DISEASE	BLOCKER 4F APPLICATION RATE PER ACRE	DIRECTIONS
Potatoes	White Mold (<i>Sclerotinia sclerotiorum</i>)	3 to 10 pints per acre (1 pint Blocker 4F = 0.5 lbs. PCNB)	GROUND METHOD – Apply Blocker 4F at the first sign of disease or no later than just prior to row closure. Use drop nozzles to cover the plant row and furrow. Use a minimum of 30 gallons of water and incorporate immediately with rolling cultivators or other tillage equipment to thoroughly incorporate into soil.

RESTRICTIONS:

- Do not exceed 20 pounds of active ingredient PCNB per acre per season regardless of the method of application.
- Do not apply within 45 days of harvest.
- Do not plant root crops in PCNB-treated potato fields within 12 months of application (including any at-planting applications) unless PCNB is registered for use on those crops.
- **EXCEPTION** – Potato fields may be replanted to non-PCNB labeled root crops 6 months after the last PCNB application as long as no more than 3 applications for white mold totaling 10 lbs PCNB (20 pints Blocker 4F) have been applied per acre per year.

TANK MIXES

BLOCKER 4F may be tank mixed with other fungicides registered for use on potatoes to enhance and/or extend control of white mold. Use 3 to 10 pints of BLOCKER 4F per application per acre when used in combination (tank mixed) with any other compatible product labeled for use on potatoes.

APPLICATION THROUGH SPRINKLER IRRIGATION EQUIPMENT

Apply BLOCKER 4F only through overhead sprinklers, including center pivot, solid set or portable (wheel move) irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Specialists, equipment manufacturers, or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of the fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump, when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Do not apply when wind speed favors drift beyond the area intended for treatment.

CALIBRATION AND APPLICATION TECHNIQUES

CENTER PIVOT IRRIGATION EQUIPMENT - Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank of injection equipment with water. Operate system for one complete cycle, measuring the time required, amount of water injected and acreage contained in cycle. Mix recommended amount of BLOCKER 4F for acreage to be covered into the same amount of water used during calibration and inject into system continuously for one revolution. Shut off injection equipment after one revolution, but continue to operate irrigation system until BLOCKER 4F has been cleared from the last sprinkler head.

SOLID-SET AND PORTABLE (WHEEL MOVE) IRRIGATION EQUIPMENT - Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over 10-30 minute period. Mix desired amount of BLOCKER 4F for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. BLOCKER 4F should be injected at the end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is complete and continue to operate irrigation system until BLOCKER 4F has been cleared from the last sprinkler head.

Do not run irrigation system without safety valves or other devices to prevent back siphoning of BLOCKER 4F into water source. Irrigation water treated with BLOCKER 4F should be maintained on the treated area until the water is absorbed into the soil. The tank containing BLOCKER 4F should be connected to the suction side of the irrigation pump or other pressurized equipment attached to the irrigation line. Agitation of the diluted BLOCKER 4F in the chemical source (or slurry) tank should be maintained during the entire application period.

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Limitation of Warranty and Liability before using this product.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conform to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

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AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

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